

Application of optimization models in prediction of inland water transport organizations' profit

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Abstract

© 2014, Mediterranean Center of Social and Educational Research. All rights reserved. The optimal allocation of scarce resources and the maximization of profit is one of the most important tasks of the transport organizations management. The article's significance is in consideration of ways of optimization of the resources allocation aimed at profit maximization in inland water transport organizations. The authors offered to use time of vessels operation by types of activities as constraints due to optimization, as the period income river companies is rather short period of time. The article shows an example calculation of the optimal allocation of resources to maximize profit on a real example.

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Keywords

Activity segments, Inland water transport, Marginal profit, Optimization, Resources